

## Datasheet: PHP082B

<b>Description:</b>	RECOMBINANT HUMAN G-CSF
<b>Name:</b>	G-CSF
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	10 µg

## Product Details

**Applications** This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.abdserotec.com/protocols](http://www.abdserotec.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Functional Assays	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - lyophilised
<b>Reconstitution</b>	Reconstitute with 100 ul distilled water
<b>Note</b>	Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Serotec recommend that the vial is gently mixed after reconstitution.
<b>Preparation</b>	Purified recombinant protein expressed in <i>E. Coli</i>
<b>Buffer Solution</b>	Lyophilised from 5mM Sodium Citrate pH4.0
<b>Preservative Stabilisers</b>	None present
<b>Endotoxin Level</b>	<0.1ng/ug
<b>Approx. Protein Concentrations</b>	0.1 mg/ml
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P09919</a> CSF3_HUMAN <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">1440</a> CSF3 <a href="#">Related reagents</a></p>
<b>Synonyms</b>	C17orf33, GCSF
<b>Product Information</b>	Granulocyte CSF is produced by monocytes and fibroblasts. It stimulates granulocyte colony formation, activates neutrophils and differentiates certain myeloid leukemic cells. Human and Murine G-CSF share approximately 75% amino acid sequence homology and have biological cross-reactivity.

<b>Protein Molecular Weight</b>	18.7kDa (174 amino acid residues)
<b>Activity</b>	1 x 10 <sup>7</sup> units/mg
<b>Purity</b>	>98% by SDS PAGE and HPLC analysis
<b>Storage</b>	Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.  This product should be stored undiluted.  Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Shelf Life</b>	3 months from date of reconstitution.
<b>Health And Safety Information</b>	Material Safety Datasheet Documentation #10175 available at: <a href="http://www.abdserotec.com/uploads/MSDS/10175.pdf">http://www.abdserotec.com/uploads/MSDS/10175.pdf</a>
<b>Regulatory</b>	For research purposes only

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